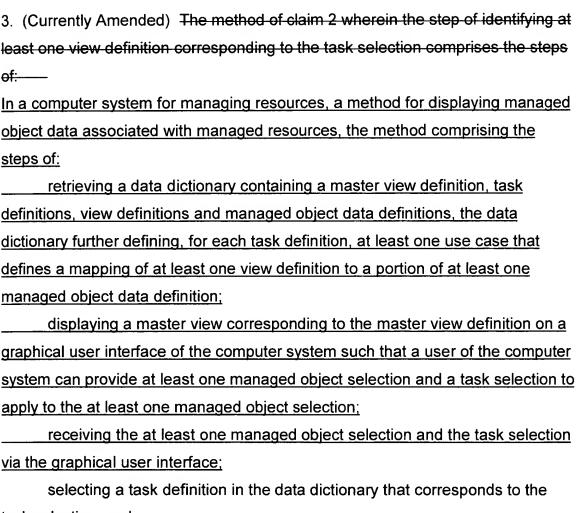
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IN THE CLAIMS

1 - 2. (Cancelled)



task selection; and

for each of the at least one managed object selection, selecting a use case that is associated with the task definition in the data dictionary and that corresponds to the at least one managed object selection, the use case identifying a view definition defining a view in which to display managed object data related to the at least one managed object selection to which a management function associated with the task selection is applied;

displaying a view corresponding to the view definition on the graphical user interface; and

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obtaining the managed object data related to the at least one managed object selection and displaying the managed object data within the view on the graphical user interface.

4. (Currently Amended) The method of claim 2–3 wherein the step of displaying the view definition comprises the steps of:

for each of the at least one view definition identified in the step of identifying:

- i) retrieving a view type from the at least one view definition in the data dictionary, the view type defining a view to be displayed on the graphical user interface of the computer system; and
- ii) rendering a view corresponding to the view type on the graphical user interface of the computer system.
- 5. (Original) The method of claim 4 wherein the step of rendering a view corresponding to the view type renders the view according to a view style defined in the data dictionary.
- 6. (Original) The method of claim 5 wherein the view style defines a view corresponding to at least one of a map, a tree and a graph.
- 7. (Currently Amended) The method of claim 2-3 wherein the step of obtaining the managed object data comprises the steps of:

consulting the at least one view definition in the data dictionary to identify the managed object data references related to the at least one managed object selection that reference managed object data that is to be displayed in the view definition; and

obtaining the managed object data based upon managed object data references.

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8. (Original) The method of claim 7 wherein the step of obtaining the managed object data includes the step of:

determining if the managed object data is contained in the data dictionary, and if the managed object data is contained in the data dictionary, the managed object data is obtained from the data dictionary, and if the managed object data is not contained in the data dictionary, the managed object data is obtained from a management server that provides the managed object data.

9. (Original) The method of claim 7 wherein the step of obtaining the managed object data further comprises the steps of:

invoking a management function associated with the task selection upon managed object data associated with at least one of the at least one managed object selection to produce managed object data which is referenced by the managed object data references defined within the view definition.

10. (Currently Amended) The method of claim 2–3 wherein the step of displaying the managed object data comprises the steps of:

providing the view displayed on the graphical user interface of the computer system with the managed object data obtained as a result of the step of obtaining; and

rendering the managed object data in the view.

- 11. (Original) The method of claim 10 wherein the step of rendering the managed object data renders the managed object data according to a managed object data style defined in the data dictionary for the managed object data.
- 12. (Currently Amended) The method of claim 2-3 wherein the data dictionary is a document object model based upon parsing operations performed on a collection of markup language statements that define task definitions, view definitions, and object definitions.

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13. (Original) The method of claim 12 wherein:

the object definitions in the document object model define attributes and data of resources in a storage area network environment;

the task definitions identify resource management functions which may be applied to the resources in the storage area network environment; and

wherein the step of obtaining the managed object data includes the step of:

applying a resource management function associated with the task selection upon a resource in the storage area network environment corresponding to the managed object selection to produce managed object data which is referenced by the managed object data references defined within the view definition; and

wherein the step of displaying the managed object data displays the managed object data in the graphical user interface to allow a user of the computer system to view results of application of the resource management function on the resources in storage area network environment.

14 - 18. (Cancelled)

19. (Amended) The computer system of claim 18 wherein when the resource management process performs the operation of identifying at least one view definition corresponding to the task selection, the resource management application performs the operations of:

A computer system, comprising:
a display;
a memory;
a processor; and
an interconnection mechanism coupling the display, the processor and the
memory;
wherein the memory is encoded with a resource management application
that, when performed on the processor, produces a resource management

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process that provides a graphical user interface for displaying managed object data associated with managed resources on the display of the computer system by causing the computer system to perform the operations of:

retrieving, into the memory, a data dictionary containing a master view definition, task definitions, view definitions and managed object data definitions, the data dictionary further defining, for each task definition, at least one use case that defines a mapping of at least one view definition to a portion of at least one managed object data definition;

displaying a master view corresponding to the master view definition on the graphical user interface such that a user of the computer system can provide at least one managed object selection and a task selection to apply to the at least one managed object selection;

receiving the at least one managed object selection and the task selection via the graphical user interface;

selecting a task definition in the data dictionary that corresponds to the task selection; and

for each of the at least one <u>managed</u> object selection, selecting a use case that is associated with the task definition in the data dictionary and that corresponds to the at least one <u>managed</u> object selection, the use case identifying a view definition defining a view in which to display managed object data related to the at least one managed object selection to which a management function associated with the task selection is applied;

displaying a view corresponding to the view definition on the graphical user interface; and

obtaining the managed object data related to the at least one managed object selection and displaying the managed object data within the view on the graphical user interface.

20. (Currently Amended) The computer system of claim <u>18-19</u> wherein when the resource management process performs the operation of displaying the view definition, the resource management process performs the operations of:

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for each of the at least one view definition identified in the operation of identifying:

- i) retrieving a view type from the at least one view definition in the data dictionary, the view type defining a view to be displayed on the graphical user interface of the computer system; and
- ii) rendering a view corresponding to the view type on the graphical user interface of the computer system.
- 21. (Original) The computer system of claim 20 wherein when the resource management process performs the operation of rendering a view corresponding to the view type, the resource management process renders the view according to a view style defined in the data dictionary.
- 22. (Original) The computer system of claim 21 wherein the view style defines a view corresponding to at least one of a map, a tree and a graph.
- 23. (Currently Amended) The computer system of claim 18-19 wherein when the resource management process performs the operation of obtaining the managed object data, the resource management process performs the operations of:

consulting the at least one view definition in the data dictionary to identify the managed object data references related to the at least one managed object selection that reference managed object data that is to be displayed in the view definition; and

obtaining the managed object data based upon managed object data references.

24. (Original) The computer system of claim 23 wherein when the resource management process performs the operation of obtaining the managed object data, the resource management process performs the operation of:

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determining if the managed object data is contained in the data dictionary, and if the managed object data is contained in the data dictionary, the managed object data is obtained from the data dictionary, and if the managed object data is not contained in the data dictionary, the managed object data is obtained from a management server that provides the managed object data.

25. (Original) The computer system of claim 23 wherein when the resource management process performs the operation of obtaining the managed object data, the resource management process performs the operation of:

invoking a management function associated with the task selection upon managed object data associated with at least one of the at least one managed object selection to produce managed object data which is referenced by the managed object data references defined within the view definition.

26. (Currently Amended) The computer system of claim 18-19 wherein when the resource management process performs the operation of displaying the managed object data, the resource management process performs the operation of:

providing the view displayed on the graphical user interface of the computer system with the managed object data obtained as a result of the step of obtaining; and

rendering the managed object data in the view in the graphical user interface on the display of the computer system.

27. (Original) The computer system of claim 26 wherein when the resource management process performs the operation of rendering the managed object data, the resource management process renders the managed object data according to a managed object data style defined in the data dictionary for the managed object data.

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- 28. (Currently Amended) The computer system of claim 48-19 wherein the data dictionary in the memory is a document object model based upon parsing operations performed on a collection of markup language statements that define task definitions, view definitions, and object definitions.
- 29. (Original) The computer system of claim 28 wherein:

the object definitions in the document object model in the memory define attributes and data associated with resources in a storage area network environment;

the task definitions identify resource management functions which may be applied to the resources in the storage area network environment; and

wherein when the resource management process performs the operation of obtaining the managed object data, the resource management process performs the operation of:

applying a resource management function associated with the task selection upon a resource in the storage area network environment corresponding to the managed object selection to produce managed object data which is referenced by the managed object data references defined within the view definition; and

wherein when the resource management process performs the operation of displaying the managed object data, the resource management application displays the managed object data in the graphical user interface on the display to allow a user of the computer system to view results of application of the resource management function on the resources in storage area network environment.

- 30. (Currently Amended) A computer system, comprising:
 - a display;
 - a memory;
 - a processor; and
- an interconnection mechanism coupling the display, the processor and the memory;

wherein the memory is encoded with a resource management application that, when performed on the processor, produces a resource management process that operates on the computer system causing the computer system to provide: means for retrieving, into the memory, a data dictionary containing a master view definition, task definitions, view definitions and managed object data definitions, the data dictionary further defining, for each task definition, at least one use case that defines a mapping of at least one view definition to a portion of at least one managed object data definition; means for displaying a master view corresponding to the master view definition on the graphical user interface such that a user of the computer system can provide at least one managed object selection and a task selection to apply to the at least one managed object selection; means for receiving the at least one managed object selection and receiving a the task selection to apply to the at least one managed object selection; means for selecting a task definition in the data dictionary that corresponds to the task selection; means for identifying at least one view definition corresponding to the task selection with which to present, on the display, managed object data related to the at least one managed object selection; means for selecting, for each of the at least one managed object selection. a use case that is associated with the task definition in the data dictionary and

means for displaying a view on a-the graphical user interface on the display of the computer system, the view corresponding to the at least one-view definition identified in the step of identifying; and

that corresponds to the at least one managed object selection, the use case

data related to the at least one managed object selection to which a

management function associated with the task selection is applied;

identifying a view definition defining a view in which to display managed object

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means for obtaining the managed object data related to the at least one managed object selection based upon managed object data references contained in the view definition; and means for and displaying the managed object data related to the at least one managed object selection within the view on the graphical user interface of the computer system. 31. (Currently Amended) A computer program product having a computerreadable medium including computer program logic encoded thereon, that when executed on a computer system having a coupling of a memory, a processor, and a display that displays a graphical user interface, provides a method for displaying managed object data associated with managed resources by causing the processor to perform the operations of: retrieving, into the memory, a data dictionary containing a master view definition, task definitions, view definitions and managed object data definitions, the data dictionary further defining, for each task definition, at least one use case that defines a mapping of at least one view definition to a portion of at least one managed object data definition; displaying the a master view corresponding to master view definition on the graphical user interface such that a user of the computer system can provide at least one managed object selection and a task selection to apply to the at least one managed object selection: receiving the at least one managed object selection and receiving a the task selection to apply to the at least one managed object selection via the graphical user interface; selecting a task definition in the data dictionary that corresponds to the task selection; identifying at least one view definition corresponding to the task selection with which to display managed object data related to the at least one managed object selection;

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for each of the at least one managed object selection, selecting a use case that is associated with the task definition in the data dictionary and that corresponds to the at least one managed object selection, the use case identifying a view definition defining a view in which to display managed object data related to the at least one managed object selection to which a management function associated with the task selection is applied;

displaying a view corresponding to the at least one view definition on a the graphical user interface of the computer system; and

obtaining the managed object data related to the at least one managed object selection based upon managed object data references contained in the view definition; and and

——__displaying the managed object data related to the at least one managed object selection-within the view on the graphical user interface of the computer system.

32. (Cancelled)